

AMENDMENTS TO THE CLAIMS

1. (Currently Amended) A system for synchronizing display of at least one non-streaming portion of at least one presentation with at least one streaming portion of the presentation when the non-streaming and the streaming portions of the presentation are performed on at least a first network node via at least one communications network, the  
5 system comprising at least the following:

a time generator for outputting at least first and second master timing values for synchronizing performance of said non-streaming and streaming portions at the at least first network node;

a presentation controlling node coupled to receive the first master timing value  
10 and for transmitting to the at least first network node, via the communications network, presentation control information including: (a) at least a first presentation command related to displaying the non-streaming portion at the first network node, and (b) a first time value derived from said first master timing value, wherein said first time value is indicative of a time for performing the at least first presentation command at the first  
15 network node;

a presentation time determining component at said first network node for determining a second time value relative to performing at least part of said streaming portion at said first network node, wherein said second time value is determined using said second master timing value;

20 a time delay determining component at said first network node for determining a time delay between said first time value and the second time value;

a presentation synchronization component for using said time delay to delay the performing, at said first network node, of the non-streaming ~~presentation~~ portion relative to the streaming ~~presentation~~ portion.

2. (Currently Amended) The ~~presentation~~ system of Claim 1, wherein one or more of:

- (a) said time generator generates each of said first and second master timing values using a substantially identical reference of time;
- 5 (b) said streaming ~~presentation data~~ portion is received at the first network node via the communications network;
- (c) said first master timing value is approximately indicative of an origination time for said non-streaming ~~presentation data~~ portion; and
- 10 (d) said second master timing value is approximately indicative of an origination time for said streaming ~~presentation data~~ portion.

3. (Currently Amended) The ~~presentation~~ system of Claim 1, wherein said second master timing value is provided to said first network node via the communications network.

4. (Currently Amended) The ~~presentation~~ system of Claim 1, further including one or more presentation content supplying nodes for transmitting, via the communications network, said non-streaming ~~presentation data~~ portion to said first network node.

5. (Currently Amended) The ~~presentation~~ system of Claim 1, wherein at least one of said ~~first non-streaming~~ and streaming ~~presentation data~~ portions is streamed on the communications network, and the communications network includes a portion of the Internet.

6. (Currently Amended) The ~~presentation~~ system of Claim 1, wherein the presentation control information provides information for identifying a first collection of one or more presentation segments for presenting on the at least first network node, and

for identifying an alternative collection of one or more presentation segments for  
5 presenting on the at least first network node, wherein the first and the alternative  
collections are each replaceable with the other when presenting the presentation.

7. (Currently Amended) The ~~presentation~~ system of Claim 6, further including:  
a computational component for determining network performance information of  
the communications network, wherein said computational component determines said  
network performance information using network data obtained from network  
5 transmissions detected at said at least first network node; and  
a first segment selector, activated after said at least first network node receives  
said presentation control information, for selecting, using said network performance  
information, as a selected collection, one of said first and said alternative collections for  
transmitting to said at least first network node.

8. (Currently Amended) The ~~presentation~~ system of Claim 7, wherein  
a selector uses the performance information for the first communications network,  
to select as a selected collection one of the first and the alternative collections for  
transmitting to the at least first network node;  
5 ~~wherein~~ said selected collection[[s]] is transmitted to the at least first network  
node;  
wherein a second collection of presentation segments is transmitted to a second  
network node;  
wherein the selected collection and the second collection are presented,  
10 respectively, via the first and second network nodes substantially concurrently, and the  
selected and second collections have corresponding presentation contents.

9. (Currently Amended) The ~~presentation~~ system of Claim 7, wherein said  
computational component includes a network analyzer for determining said network  
performance information using one or more of the following types of said network data:

- (a) a data transmission rate of said communications network at said first network node;  
5 (b) a fluctuation in bandwidth of said communications network at said first network node;  
and (c) a statistical prediction of a bandwidth of said communications network at said first network node.

10. (Currently Amended) The ~~presentation~~ system of Claim 1, further including a phone bridge controller for transmitting an audio portion for said presentation to a third network node such that the audio portion is synchronized with an audio portion of the presentation provided to the first network node.

11. (Currently Amended) A ~~system~~ method for synchronizing a performance of at least one non-streaming portion of a presentation with at least one streaming portion of the presentation when the non-streaming and streaming portions of the presentation are performed on at least first and second network nodes, via at least one communications  
5 network, the system comprising at least the following:

storing a plurality of segments of a presentation for network access, via one or more content supplying nodes of a communications network, wherein there are subcollections of one or more of the segments, each subcollection having a predetermined presentation order and there are a first and a second of the subcollections,  
10 wherein said first subcollection is replaceable with said second subcollection when presenting the presentation;

identifying a plurality of network nodes for presenting the presentation, including the first and second network nodes;

outputting at least first and second master timing values for synchronizing non-  
15 streaming and streaming portions of the presentation at the first and second client nodes;

first providing, via the communications network, one or more first instances of presentation control information to the first network node for controlling the presentation at the first network node;

second providing, via the communications network, one or more second instances  
20 of presentation control information to the second network node for controlling the  
presentation at the second network node;

wherein, for each network node (N) of said first and second network nodes, said  
corresponding one of the first and second instances of presentation control  
information includes at least (a1) through (a3) following:

- 25 (a1) identifications of said content supplying nodes,
- (a2) at least a first presentation command related to displaying the non-  
streaming portion at the network node N, and
- (a3) a presentation time value derived from said first master timing value,  
wherein said presentation time value is indicative of a time for performing  
30 the at least first presentation command at the network node N;

first transmitting said first subcollection from one or more of said content  
supplying nodes for presenting at the first network node, wherein said first instance(s) of  
presentation control information is used for obtaining said first subcollection at the first  
network node;

35 second transmitting said second subcollection from one or more of said content  
supplying nodes for presenting at the second network node substantially simultaneously  
with the presenting of the first subcollection at the first network node, wherein said  
second instance(s) of presentation control information is used by the second network  
node for presenting said second subcollection at the second network node;

40 synchronizing a performance of the presentation at the first network node with a  
performance of the presentation at the second network node, wherein each node (N) of  
said first and second network nodes include (b1) through (b3) following:

- (b1) a corresponding presentation time determining component for determining  
a stream time value relative to performing at least part of said streaming  
45 portion,
- (b2) a corresponding time delay component for determining a time delay  
between the stream time value and a corresponding instance of the presentation time  
value; and

50 (b3) a presentation synchronization component for using said time delay to delay a performance, at the node N, of the non-streaming presentation portion relative to a performance of the streaming presentation portion.

12. (Currently Amended) A method as claimed in Claim 11, wherein said steps of first providing transmitting to the first network node, and second providing to the second network node[[s is]] are performed substantially simultaneously, using the Internet as at least a portion of the communications network.

13. (Previously Added) A method as claimed in Claim 12, further including a step of synchronously presenting the presentation at the first network node with presenting the presentation at the second network node so that each of the subcollections presented at the first network node is presented substantially simultaneously with some one of the  
5 subcollections at the second network node.

14. (Previously Added) A method as claimed in Claim 13, wherein said step of synchronously presenting includes obtaining, by said first network node, a network performance measurement of a network transmission from a first of the content supplying network nodes to the first network node.

15. (Previously Added) A method as claimed in Claim 11, wherein said step of first transmitting includes retrieving the first subcollection by the first network node from a first of the content supplying nodes; and  
said step of second transmitting includes retrieving the second subcollection by  
5 the second network node from a second of the content supplying nodes different from the first content supplying node.

16. (Currently Amended) A method as claimed in Claim 11, further including synchronizing the presenting of the first and second subcollections at the first and second network nodes with a corresponding audio portion of the presentation provided at the

5 sites of the first and second network nodes, wherein the corresponding audio portion is provided to the sites using a different network protocol from a protocol used in at least one of said steps of first and second transmitting via the communications network.

17. (Currently Amended) The method as claimed in Claim 11, further including a step of obtaining ~~wherein~~ one or more measurements related to an expected time for said first subcollection to be received by the first network node via the communications network ~~are obtained~~;

5 wherein said one or more measurements are indicative of one or more of:

- (a) a size of said first subcollection;
- (b) a bandwidth of previous transmissions via the communications network to the first network node;
- (c) an overhead indicative of a protocol used in transmissions via the  
10 communication network to the first network node;
- (d) an allotted time for said first network to receive said first subcollection;
- (e) a fluctuation in bandwidth of the communications network;
- (f) an error rate from the communications network; and
- (g) a predictive statistical expectation of a bandwidth on the communications  
15 network.

18. (Currently Amended) The method as claimed in Claim 11, further including:  
establishing whether said first subcollection is cached at said first network node  
within a desired time prior to a performance of the ~~cached~~ first subcollection.

19. (Previously Added) The method as claimed in Claim 18, further including  
determining said desired time by determining one or more of:

- (a) a measurement related to the performance of the presentation at said  
second network node;
- 5 (b) a predetermined length of time; and
- (c) a length of time determined by a leader for the presentation.

20. (Previously Added) The method as claimed in Claim 18, further including determining said desired time by comparing: (a) a transmission rate of the communications network between the first network node and at least one of said content supplying nodes; and (b) a transmission rate of the communications network between  
5 said second network node, and at least one of said content supplying nodes.

21. (Previously Added) A method for presenting a networked presentation, comprising the steps of:

first providing, via a communications network, one or more first instances of presentation control information to a first network node for controlling a first  
5 performance of the presentation at the first network node;

second providing, via the communications network, one or more second instances of presentation control information to a second network node for controlling a second performance of the presentation at the second network node;

wherein the presentation control information instances from each of said first and  
10 second instances are used to substantially synchronize the first and second performances of the presentation;

wherein, of the first and second instances of presentation control information further provides, to a corresponding one of the first and second network nodes, (a1) through (a4) following:

- 15 (a1) an identification of content supplying nodes for supplying at least a non-streaming portion for performing the presentation,
- (a2) at least a first presentation command related to displaying the non-streaming portion at the corresponding network node,
- (a3) presentation timing information (PTI) indicative of a time for  
20 performing the at least first presentation command at the corresponding network node; and



- (a4) stream timing information (STI) for synchronizing a stream portion of the presentation with the non-streaming portion at the corresponding network node;
- 25 first transmitting to the first and second network nodes an extent of the streaming portion;
- second transmitting to the first and second network nodes an extent of the non-streaming portion;
- wherein for each performance (P) of the first and second performances of the presentation, (b1) through (b3) occur:
- 30 (b1) a stream time value (STV) relative to performing at least part of said streaming portion extent is determined using a received occurrence of the STI,
- (b2) a time delay between the STV and a corresponding instance of the PTI is determined; and
- 35 (b3) there is synchronization, at the network node providing the performance P, between the stream portion extent and the non-stream portion extent, said synchronization using said time delay of (b2) to delay presenting the non-streaming portion extent
- 40 relative to presenting the streaming portion extent.

22. (Previously Added) The method of Claim 21, wherein the first instance(s) identifies a first presentation portion for presenting on the first network node, and the second instance(s) identifies an alternative presentation portion for presenting on the second network node, wherein the first and the alternative presentation portions are

5 each replaceable with the other when presenting the presentation.

23. (Previously Added) The method of Claim 22, wherein first presentation portion and said alternative present portion have a different but corresponding presentation contents.

24. (Currently Amended) The method of Claim 22, wherein the alternative presentation portion is represented by a reduced amount of data transmitted on the communications network in comparison to the first presentation portion.